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## CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:  
Date: 2/11/05 Name: Anthony P. Curtis, Ph.D. Reg. No. 46,193 Signature:

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& LIONE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Eiichi Komai et al.

Appln. No.: 10/618,375

Filed: July 9, 2003

For: Compact Non-Reciprocal Circuit Element

Attorney Docket No: 9281/4601

Examiner: Stephen Jones

Art Unit: 2817

Mail Stop Issue Fee  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL

Sir:

## Attached is/are:

Transmittal Cover Letter (1p. Filed in Dup.); Substance of Interview (3pp.)  
 Return Receipt Postcard

## Fee calculation:

No additional fee is required.  
 Small Entity.  
 An extension fee in an amount of \$\_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).  
 A petition or processing fee in an amount of \$\_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_\_.)  
 An additional filing fee has been calculated as shown below:

	Claims Remaining After Amendment	Minus	Highest No. Previously Paid For	Present Extra	Small Entity		Not a Small Entity		
					Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$25=			x \$50=	
Indep.		Minus			x 100=			x \$200=	
First Presentation of Multiple Dep. Claim					+\$180=			+\$360=	
					Total	\$		Total	\$

## Fee payment:

A check in the amount of \$\_\_\_\_\_ is enclosed.  
 Please charge Deposit Account No. 23-1925 in the amount of \$\_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.  
 Payment by credit card in the amount of \$\_\_\_\_\_ (Form PTO-2038 is attached).  
 The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Date 2/11/05

Respectfully submitted,

Anthony P. Curtis, Ph.D. (Reg. No. 46,193)



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Mail Stop Amendment  
Commissioner for Patents,  
Alexandria, VA 22313, on

*2/10/05*  
(Date of Deposit)

Anthony P. Curtis, Ph.D., 46,193

Name of Applicant, Assignee or  
Registered Representative

*Anthony P. Curtis*  
Signature

*2/10/05*  
Date of Signature

Our Case No. 9281-4601

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Eiichi Komai et al. )  
Serial No. 10/618,375 ) Examiner: Stephen Jones  
Filing Date: July 9, 2003 ) Group Art Unit No. 2817  
For: Compact Non-Reciprocal Circuit )  
Element )

## SUBSTANCE OF INTERVIEW

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the telephonic interview of December 10, 2004 between the Examiner and Applicants' agent Anthony P. Curtis, Ph.D., Reg. 46,193, Applicants submit this substance of interview. In the interview, Applicants agreed to amend Claims 1 and 8 for minor issues. More specifically, the Examiner indicated that he would amend Claims 1 and 8 by Examiner's amendment to recite:

1. A non-reciprocal circuit element comprising:  
a yoke including, therein:

a magnetic plate;  
    a plurality of line conductors disposed on a first main surface of the magnetic plate and insulated from one another, each line conductor having a terminal segment;

    a plurality of capacitor chips disposed around the magnetic plate; and

    a magnet for applying a DC bias magnetic field in a direction substantially perpendicular to the first main surface of the magnetic plate, the magnet having an elliptic shape in plan view,

    wherein the line conductors intersect on the first main surface of the magnetic plate and are connected to one another on a second main surface of the magnetic plate, the terminal segments of the line conductors are connected to the capacitor chips, and the magnet has a major axis and a minor axis in plan view and has a convex surface on at least one peripheral portion thereof.

8. A non-reciprocal circuit element comprising:

    a yoke including, therein:

    a magnetic plate;

    a plurality of line conductors disposed on a first main surface of the magnetic plate and insulated from one another, each line conductor having a terminal segment;

    a plurality of capacitor chips disposed around the magnetic plate; and

    a magnet for applying a DC bias magnetic field in a direction substantially perpendicular to the first main surface of the magnetic plate,

    wherein the line conductors intersect on the first main surface of the magnetic plate and are connected to one another on a second main surface of the magnetic plate, the terminal segments of the line conductors are connected to the capacitor chips, and the magnet has a major axis and a minor axis in plan view and has a convex surface on at least one peripheral portion thereof, and

wherein one of a ratio of the minor axis of the magnet to the minor axis of the magnetic plate and a ratio of the major axis of the magnet to the major axis of the magnetic plate ranges from 1.6 to 1.9.

Accordingly, Applicants herein supply a substance of interview and respectfully requests that the Examiner issue the Notice of Allowance.

Respectfully submitted,



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Registration No. 46,193  
Agent for Applicants

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